

What is claimed is:

1. A process for producing a thermoplastic resin composition, wherein a melt-kneading extruder equipped with a screw is used and the extruder has an upper stream side supplying portion at the upper stream part of the extrusion direction, and a lower stream side supplying portion at the lower stream part from said upper stream side supplying portion, and the ratio (L/D) of the distance (L) between said upper stream side supplying portion and said lower stream side supplying portion to the diameter (D) of a screw is 4-30 (L and D are the same scale units); and under screw rotation, a thermoplastic resin having a specific gravity of 1.10 or more is supplied from the upper stream side supplying portion, and hollow spheres in an amount of 2-50 parts by weight based on 100 parts by weight of the thermoplastic resin are supplied from the lower stream side supplying portion.

2. A process for producing a thermoplastic resin composition according to claim 1, wherein inorganic fibers in an amount of 1 - 40 parts by weight based on 100 parts by weight of the thermoplastic resin are further supplied from the upper stream side supplying portion and/or the lower stream side supplying portion.

3. A process for producing a thermoplastic resin composition

according to claim 1 or 2, wherein the screw portion at lower stream from the lower stream side supplying portion of a melt-kneading extruder substantially consists of only a thread screw of forward direction to the extrusion direction, and does not have a kneading section.

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4. A process for producing a thermoplastic resin composition according to any one of claims 1 to 3, wherein the hollow spheres have a mean particle diameter of 5-500 μm , and a volume hollowness of 60 - 80%.

5. A process for producing a thermoplastic resin composition according to any one of claims 1 to 4, wherein the thermoplastic resin is a liquid crystal polyester resin.

6. A process for producing a thermoplastic resin composition according to claim 5, wherein the flow temperature of the liquid crystal polyester resin defined below is 250 $^{\circ}\text{C}$ or more.

Flow temperature: a temperature at which the melt viscosity shows 48000 poise when a heated resin is extruded, using a capillary tube rheometer, through a nozzle having an inner diameter of 1 mm and a length of 10 mm under a load of 9.81MPa at a temperature-rising rate of 4 $^{\circ}\text{C}$ /minute.

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7. A process for producing a thermoplastic resin composition according to claim 5 or 6, wherein the liquid crystal polyester resin has 30 % by mole or more of the following structural unit (A₁)

Cont.

Substance

